

Application No.: 10/014625

Case No.: 56937US002

Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claims 1-22 (previously cancelled)

23. cancelled

24. (previously presented) The tape of claim 46 wherein the maleated thermoplastic elastomer is a block copolymer comprising one or more polystyrene blocks, a rubber, or a styrene-ethylene-butene-styrene type block copolymer.

25. cancelled

26. (previously presented) The tape of claim 46 wherein the resin is a hydrocarbon resin.

27. (previously presented) The tape of claim 46 wherein the non-halogenated polyolefin comprises a C₂ - C₃₀ α-olefin monomer.

28. (previously presented) The tape of claim 46 wherein the non-halogenated polyolefin comprises a polyhexene or a polyoctene.

29. (previously presented) The tape of claim 46 wherein the first crosslinking agent is activated by ultraviolet light or heat.

30. (previously presented) The tape of claim 46 wherein the first crosslinking agent is an aldehyde, a ketone, a quinone, a thioxanthone, or a vinyl halomethyl-sym-triazine.

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31. (previously presented) The tape of claim 46 wherein the first crosslinking agent is 2,4-bis(trichloromethyl)-6-4'-methoxyphenyl-sym-triazine.
32. (previously presented) The tape of claim 46 wherein the primer further comprises an aliphatic, alicyclic, heterocyclic, cycloaliphatic, or aromatic epoxy having at least one oxirane ring.
33. (previously presented) The tape of claim 46 wherein the primer further comprises an epoxy resin comprising a cyclohexene oxide group, a glycidyl ether monomer, or a bisphenol A-epichlorohydrin.
34. (previously presented) The tape of claim 46 wherein the primer further comprises a multi-functional acrylate.
35. (previously presented) The tape of claim 46 wherein the primer further comprises fumed amorphous silica.
36. (previously presented) The tape of claim 46 wherein the primer further comprises a filler.
37. (previously presented) The tape of claim 46 wherein the pressure sensitive adhesive is a polyolefin based pressure sensitive adhesive.
38. (previously presented) The tape of claim 46 wherein the pressure sensitive adhesive is a poly- α -olefin comprising one or more monomer units derived from a $C_5 - C_{30}$ α -olefin monomer.
39. (previously presented) The tape of claim 46 wherein the pressure sensitive adhesive is a poly- α -olefin comprising one or more monomer units derived from $C_6 - C_{14}$ α , ω -dienes, conjugated dienes, trienes, terpenes, or alkenyl-norbornenes.

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40. (previously presented) The tape of claim 46 wherein the pressure sensitive adhesive has a glass transition temperature in the range of about -70° to about 0° C.
41. (previously presented) The tape of claim 46 wherein the pressure sensitive adhesive comprises a tackifying resin.
42. (previously presented) The tape of claim 46 wherein the second crosslinking agent is activated by ultraviolet light or heat.
43. (previously presented) The tape of claim 46 wherein the second crosslinking agent is an aldehyde, a ketone, a quinone, a thioxanthone, or a vinyl halomethyl-sym-triazine.
44. (previously presented) The tape of claim 46 wherein the substrate comprises a material selected from the group consisting of polyesters, polyolefins, papers, foils, polyacrylates, polyurethanes, perfluoropolymers, polycarbonates, ethylene vinyl acetates, vinyl, fabrics, foam, polymer coated papers, and retroreflective sheeting.
45. (currently amended) A method of making a tape comprising:
- (a) providing a substrate;
 - (b) applying a primer to the substrate, the primer comprising:
 - a maleated rubber thermoplastic elastomer,
 - a non-halogenated polyolefin,
 - a resin having a glass transition temperature between about 0° C and about 100° C, and
 - a first crosslinking agent;
 - (c) applying a pressure sensitive adhesive atop the primer,
wherein the pressure sensitive adhesive is based on natural rubbers, synthetic rubbers, styrene block copolymers, polyvinyl ethers, poly (meth)acrylates (including both acrylates and methacrylates), polyolefins, or silicones, and

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wherein the pressure sensitive adhesive further comprises a second crosslinking agent;

(d) applying actinic radiation or heat.

46. (currently amended) A tape comprising:

(a) a substrate;

(b) a primer coated on at least one surface of the substrate, the primer comprising:

a maleated rubber thermoplastic elastomer,

a non-halogenated polyolefin,

a resin having a glass transition temperature between about 0°C and about 100°C, and

a first crosslinking agent;

(c) a pressure sensitive adhesive coated on the primer,

wherein the pressure sensitive adhesive is an adhesive based on natural rubbers, synthetic rubbers, styrene block copolymers, polyvinyl ethers, poly(meth)acrylates (including both acrylates and methacrylates), polyolefins, or silicones, and

wherein the pressure sensitive adhesive further comprises a second crosslinking agent, and wherein the pressure sensitive adhesive and the primer are crosslinked.